

THE LANCET

Respiratory Medicine

Supplementary appendix

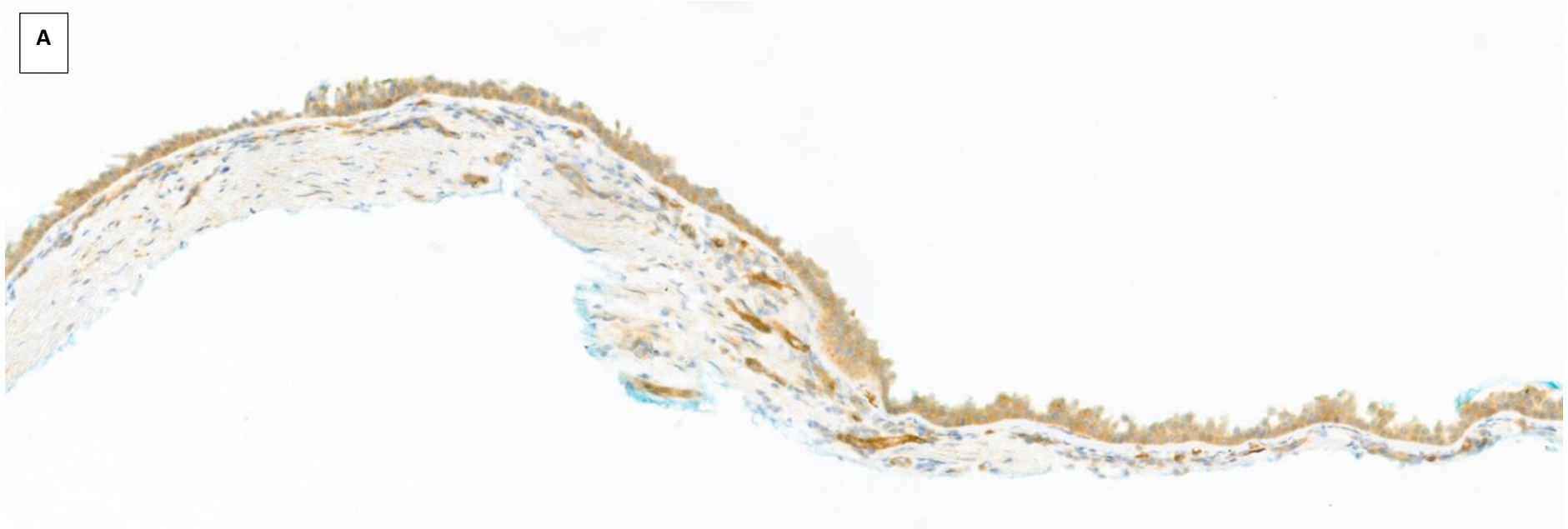
This appendix formed part of the original submission and has been peer reviewed.
We post it as supplied by the authors.

Supplement to: van de Veerdonk FL, Brüggemann RJM, Vos S, et al. COVID-19-associated *Aspergillus* tracheobronchitis: the interplay between viral tropism, host defence, and fungal invasion. *Lancet Respir Med* 2021; published online May 26. [http://dx.doi.org/10.1016/S2213-2600\(21\)00138-7](http://dx.doi.org/10.1016/S2213-2600(21)00138-7).

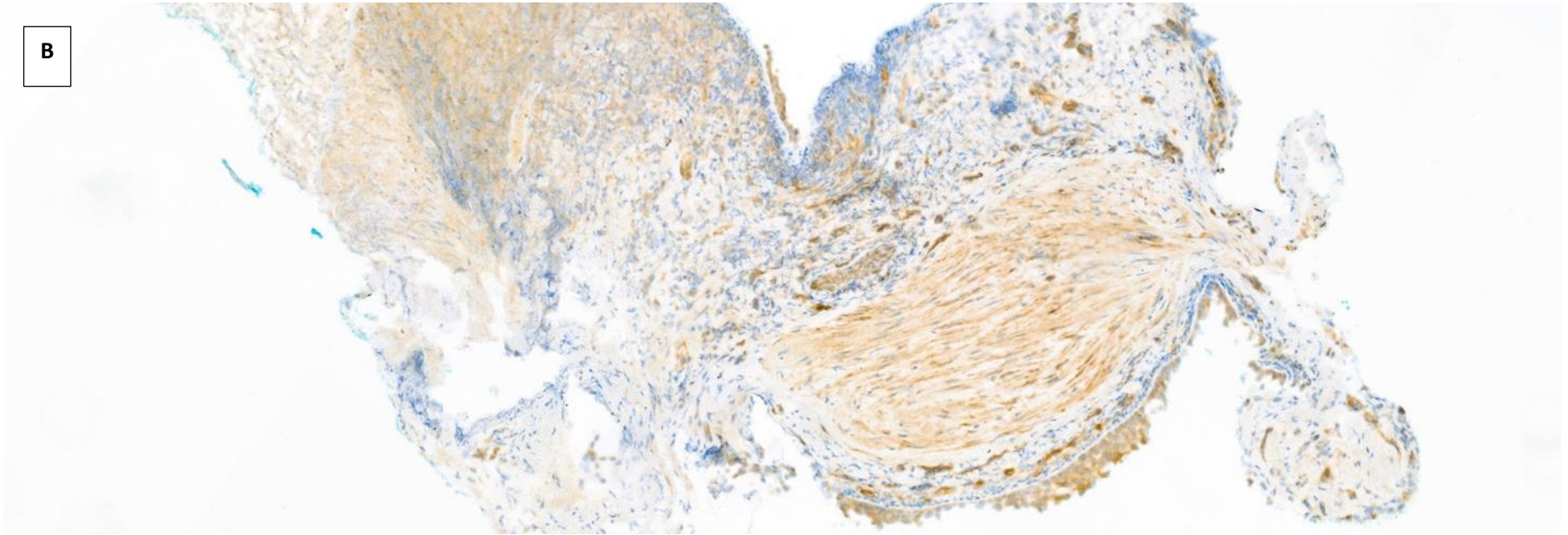
Appendix

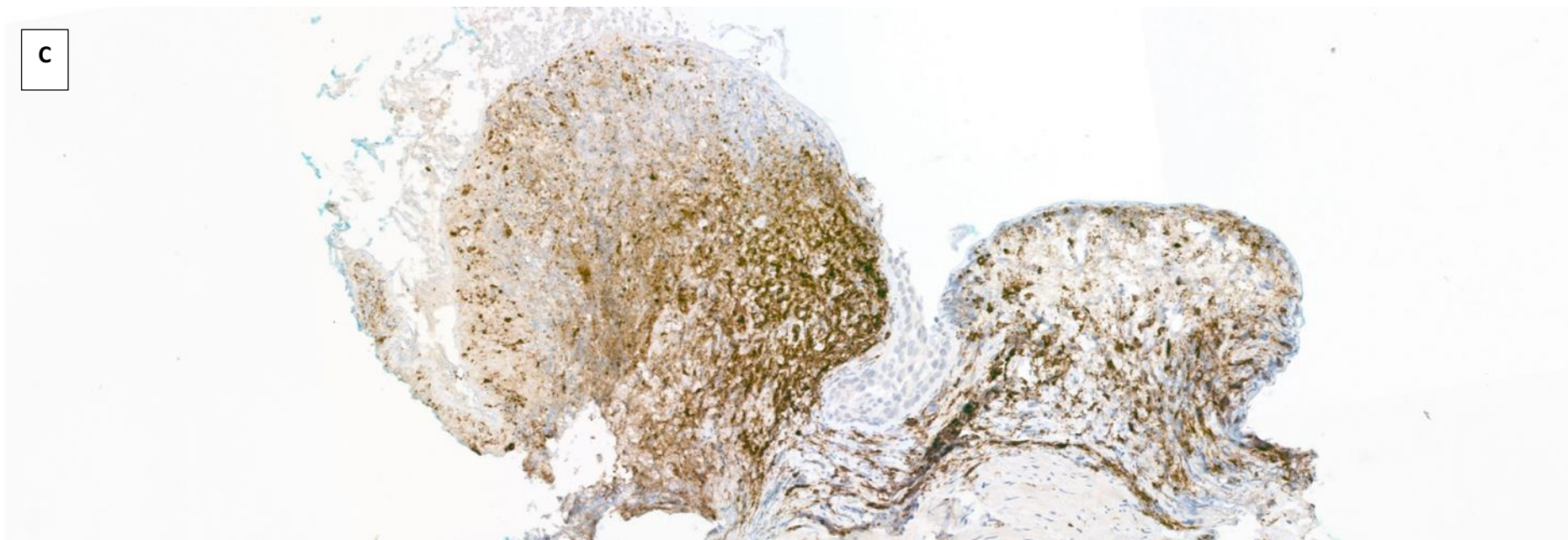
Contents	Page
Figure 1A. Bronchial epithelium showing ACE2R expression.	1
Figure 1B. Bronchial epithelium showing ACE2R expression.	2
Figure 1C. Bronchial epithelium with in the stroma nuclear debris, neutrophils and some macrosialin-positive histiocytes.	3
Figure 1D. Bronchial epithelium with in the stroma nuclear debris, neutrophils and a few CD8 positive cytotoxic T-lymphocytes.	4
Figure 2. a) Trachea with an ulcerative lesion with necrosis reaching until the perichondrial tissue (H&E). b) Fungal hyphae with signs of budding (H&E) and c) Grocott's stain. d) Absence of SARS-Cov-2 spike (S) protein. e) Macrosialin stain showing numerous histiocytes. f) CD8 stain showing a few spread out cytotoxic T-cells	5
Figure 3. Grocott stain of invasive <i>Aspergillus</i> tracheobronchitis in a patient with severe Influenza. Septate hyphae are visible and two vesicles with phialides, and <i>Aspergillus</i> spores in the proximity of the vesicles.	6

Figure 1. Bronchial epithelium showing ACE2R expression (A&B). In the stroma nuclear debris, neutrophils, some macrosialin-positive histiocytes (C) and a few CD8 positive cytotoxic T-lymphocytes (D) are seen.



B





D

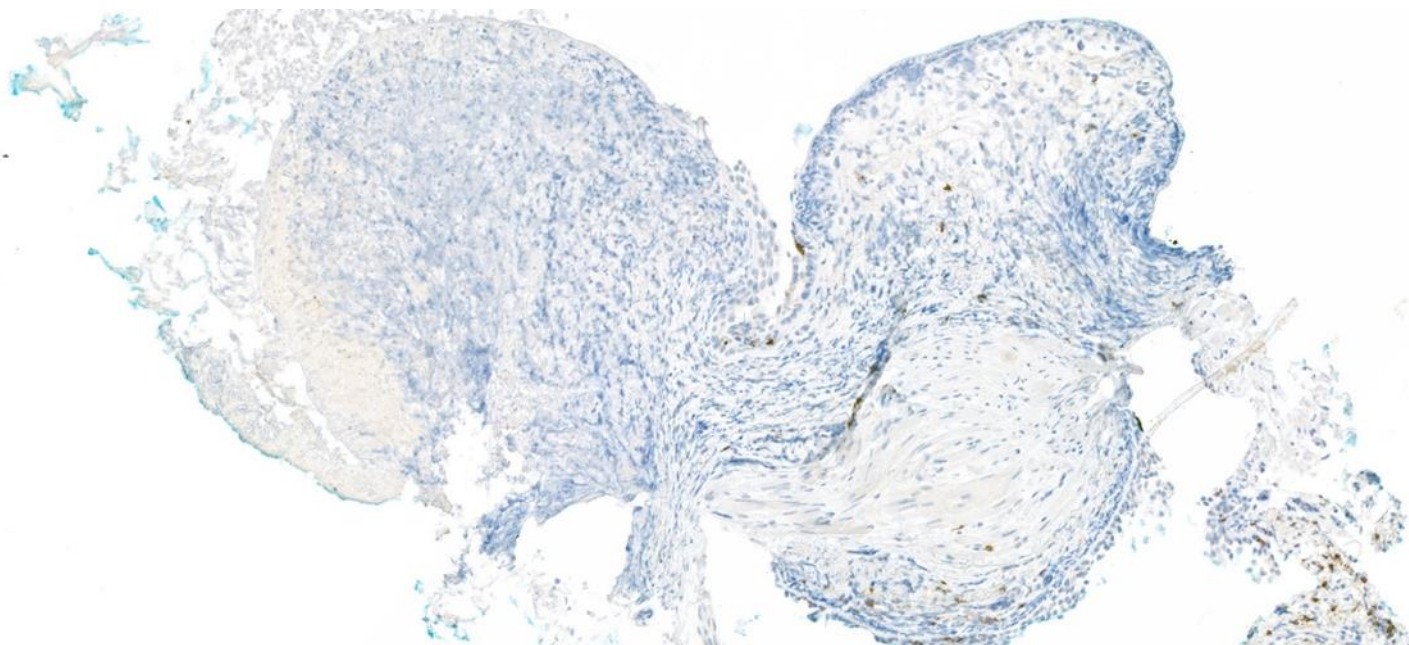


Figure 2. a) Trachea with an ulcerative lesion with necrosis reaching until the perichondrial tissue (H&E). b) Fungal hyphae with signs of budding (H&E) and c) Grocott's stain. d) Absence of SARS-Cov-2 spike (S) protein. e) CD68 stain showing numerous histiocytes. f) CD8 stain showing a few spread out cytotoxic T-cells.

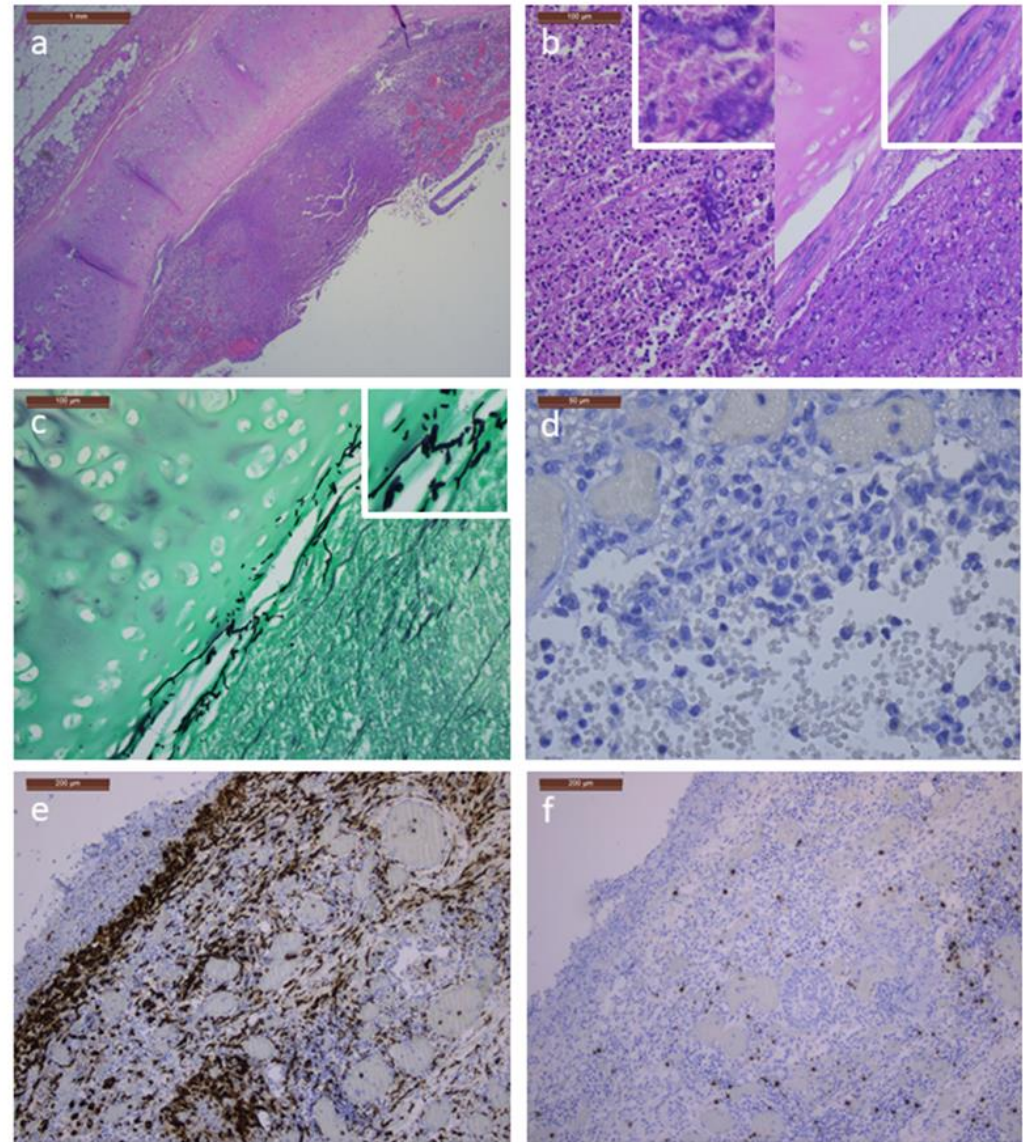


Figure 3. Grocott stain of invasive *Aspergillus* tracheobronchitis in a patient with severe Influenza. Septate hyphae are visible and two vesicles with phialides, and *Aspergillus* spores in the proximity of the vesicles.

